AUTHOR INDEX, VOLUME 37

A

Aharonson, Nadav 434
Ahrens, William H. 631
Alcantara, Elifas N. 107
Aldrich, Richard J. 365
Amin, Mohammed K. 254
Appleby, Arnold P. 68, 350, 419

B

Baird, James H. 42
Balyan, Rajender S. 695
Barnes, Clyde J. 820
Barrentine, William L. 596
Barrett, Michael 12, 34, 217, 285, 290, 296, 700
Bauman, Thomas T. 753
Beckie, Hugh J. 412
Bendixen, Warren E. 521
Bendixen, Leo E. 147
Bennett, Jerry M. 544
Bhowmik, Prasanta C. 29
Blackshaw, Robert E. 706
Blum, Udo 674
Bovey, Rodney W. 19
Boydston, Rick A. 63
Bozsa, Robert C. 670
Brecke, Barry J. 207
Bridges, David C. 471,724
Brown, William B. 365
Buhler, Douglas D. 392
Burton, James D. 512

C

Camilleri, Patrick 5
Campbell, John R. 815
Cardina, John 207
Castner, Eric P. 688
Chandler, James M. 471, 724
Chandrasena, Nimal R. 790
Chaudhry, G. R. 825
Chernicky, Jon P. 600
Chiang,Mou-Yen 802
Chilton, W. S. 802
Church, Patty L. 254
Coble, Harold D. 76
Cole, Tracy A. 175, 385, 639
Corbett, Chris J. 521
Croon, Kent A. 645
Cudney, David W. 521, 538
Currey, Wayne L. 544

D

Dall'Armellina, Armando A. 314
De Prado, Rafael 1
Defelice, Michael S. 365
Delaney, Ronald H. 797
Derksen, Douglas A. 616
Dezman, David J. 302
Dickens, Ray 42
Dinola, L. 335
Dominguez, Carmen 1
Driver, Tony L. 670
Duke, Stephen O. 152

E

Eberlein, Charlotte V. 651
Evans, Raymond A. 47, 201, 319

F

Fawcett, Richard S. 609
Fedtke, Carl 517
Ferguson, James A. 585
Flint, Jerry L. 12, 700
Fowke, Larry C. 98

G

Gast, Roger 600
Geadelmann, Jon L. 651
Gealy, David R. 525, 562
Gengenbach, Burie G. 512
Giles, Joseph F. 228
Gillespie, Greg R. 380
Gleichsner, Jean A. 68
Glosauer, Eva M. 254
Goetz, Andrew J. 428, 820
Graveel, John G. 254
Griffin, Blair S. 544
Gronwald, John W. 512
Gross, Katherine L. 836
Guethle, David R. 365
Guy, Charles B. 585

H

Hackett, Neil M. 688
Hajek, Ben F. 428
Harker, K. Neil 680
Hartzler, Robert G. 609
Harvey, R. Gordon 405
Hein, Hugo, Jr. 19
Henry, William T. 753
Hickman, Michael V. 167
Hicks, T. Vint 175, 385, 639
Highsmith, Maxine T. 658
Hoagland, Robert E. 491, 743
Hodgson, Richard H. 484
Holt, Jodie S. 538
Huang, Jamin 123

I

Ipenshaw, Stephen J. 651
Isaacs, Mark A. 761

J

Jain, Rakesh 302, 575, 766
Jana, Sakti 98
Johnson, David W. 797
Johnson, Hyrum B. 161
Johnson, Thomas N., Jr. 117
Johnson, Michael D. 239
Johnson, David H. 585
Jordan, Nicholas 129, 451
Jordan, Lowell S. 521, 538
Judy, Dan T. 365

K

Katan, Jaacov 434
Kaufman, Lisa M. 592
Keeley, Paul E. 326, 339, 531. 557
Keeney, F. Nelson 19
Keifer, David W. 622
Kells, James J. 400
Ketchersid, Mary L. 645
Klamroth, Eva E. 517
Kline, Ellis L. 424

Koppatschek, Fritz K. 345
Krall, James M. 797
Kremer, Robert J. 211
Ksander, Gregory G. 250
Kühbauch, Walter C. 517
Kurtz, Mark E. 223

L

Lavy, Terry L. 820
Lawrence, Ernest G. 424
Légère, Anne 84
Lembi, Carole A. 810
Liebl, Rex A. 259, 345, 440, 712, 815
Loux, Mark M. 259, 440, 712
Lueschen, William E. 239
Lush, W. Mary 54
Lydon, John 152
Lym, Rodney G. 167, 181, 498

M

Maggenti, Armand R. 771, 778
Malik, Ram K. 695
Marshall, George M. 784
Mårtensson, Anna M. 445
Martin, Alex R. 375
Maxwell, Bruce D. 268
Mayeux Jr., Herman S. 161
McClelland, Marilyn R. 585
McGuire, John A. 196, 385
McKercher, Robert B. 412
McWhorter, Chester G. 458
Merkle, Morris G. 503, 645
Messersmith, Calvin G. 167
Mills, J. Anthony 217, 233, 353
Minton, Bradford W. 223
Mishra, Saroj K. 123
Monaco, Thomas J. 592
Moomaw, Russell S. 375
Moreland, Donald E. 592
Morgan, Tom R. 60
Morin, Louis 830
Morrison, Ian N. 784
Morrow, Larry A. 525
Mortensen, David A. 76
Morton, Howard L. 117
Moxness, Kevin D. 181, 498
Mueller, James G. 424
Murdock, Edward C. 761
Murray, Don S. 688
Myers, Randy A. 570

N

Nafziger, Emerson D. 308
Nalewaja, John D. 380
Nandihalli, Ujjanagouda B. 29
Nawolsky, Ken M. 784
Nelson, Donald C. 228
Nilsson, Asa K. 445
Novitzky, William P. 592

O

O'Neal, Steven W. 810
Oliver, Lawrence R. 670
Owen, Michael D.K. 609

P

Palmquist, Debra E. 47
Pantone, Dan J. 771, 778
Patterson, Michael G. 175
Patterson, David T. 658
Paul, Rex N. 152, 458
Peek, Daniel C. 419
Penner, Donald 400
Peters, Thomas J. 375
Petersen, Brent B. 719
Petersen, Terry D. 268
Pochop, Larry O. 797
Pocock, Robert N. 680
Powles, Stephen B. 60
Putnam, Alan R. 123

Q

Quesenberry, K. H. 825

R

Radosevich, Steven R. 268
Reddy, Krishna N. 147
Reeleder, Richard D. 830
Regnier, Emilie E. 187, 308
Reints, John S. 538
Rejmanek, Marcel 276
Rejmankova, Eliska 276
Renner, Karen A. 836
Reyes, Carlos C. 604
Rhodes, G. Neil, Jr. 254
Richardson, Jesse M. 525
Ritter, Ronald L. 592
Robertson, J. Mason 680
Robinson, George R. 276
Rosow, Kathleen M. 651
Ross, Merrill A. 810
Roush, Mary Lynn 268
Rubin, Baruch 434

S

Sagar, Geoff R. 790
Sander, Kip W. 290
Sasek, Thomas W. 23
Schreiber, Marvin M. 84
Schroeder, Jill 112
Schuh, Joseph F. 405
Selim, Salah A. 810
Sharpe, Sam 42
Sharpe, Peter J. H. 724
Shaw, David R. 223, 596, 748
Shea, Patrick J. 719
Shilling, Donn G. 544, 825
Simanton, J. Roger 117
Sims, Barry D. 365
Singh, Megh 302, 766
Skipper, Horace D. 424
Skroch, Walter A. 360
Slife, Fred W. 259, 345, 440, 600, 712, 815
Smith, Allan E. 784
Smith, Albert E. 665
Smith, Clyde A. 748
Snipes, Charles E. 748
Snyder, Robert H. 484
Somers, David A. 512
Spencer, David F. 250
Spencer, Neal R. 211
Spitzmueller, Joseph M. 107
Stanger, Charles E. 350
Stoller, Edward W. 187, 308, 570
Stoltenberg, David E. 512

Stone, John F. 688
Strain, Boyd R. 23

T

Tal, Abraham 434
Talbert, Ronald E. 585
Taylor, S. G. 825
Taylor, John S. 680
Taylorson, Ray B. 93, 335
Tena, Manuel 1
Thai, Kiet M. 98
Thullen, Robert J. 326, 339, 531, 557
Toler, Joe E. 761
Tucker, Edwin S. 60

V

Van, Thai K. 552
Van Dyke, C. G. 802
Vanden Born, William H. 575
Vaughan, Martin A. 5
Vaughn, Steven F. 503
Verhalen, Laval M. 688

W

Walker, Robert H. 196, 428
Walker, Kandy L. 73
Wallace, Susan U. 761
Wanamarta, Gunawan 400
Wagner, Robert G. 268
Watson, Alan K. 478, 830
Weeks, David L. 688
Wehtje, Glenn R. 42, 175, 385, 428, 639
Wells, Larry W. 196
Werling, Virginia L. 392
Werner, Georgina M. 123
Wesley, Richard A, Jr. 396
Weston, Leslie A. 285
White, Randall H. 674
Whiteand, Linda C. 250
Whitenack, Curt 123
Wilcut, John W. 42, 175, 385, 639
Williams, William A. 771, 778
Williams, David J. 73
Witt, William W. 217, 233, 353
Wolt, Jeff D. 254
Worsham, A. Douglas 674
Wu, Hsin-I 724
Wymore, L. A. 478
Wyse, Donald L. 107, 239, 512

Y

Yeung, Edward C. 680
Yonce, Mark H. 360
Young, James A. 47, 201, 319

Z

Zimdahl, Robert L. 314, 604

SUBJECT INDEX, VOLUME 37

A

Absorption 19, 29, 42, 147, 161, 175, 181, 517, 639, 651
ABUTH ..... 29, 187, 211, 217, 233, 308, 345, 353, 365, 392, ... 478, 484, 570, 658
Abutilon theophrasti .. 29, 187, 211, 217, 308, 345, 353, 392, 478, 484
Acanthospermum hispidum 196
Acetohydroxyacid synthase 290
Acetohydroxyacid synthase inhibition 651
Acetolactate synthase 290
Acetolactate synthase inhibition 651
Acifluorfen 223, 365, 743
ACNHI 196
Actinomycetes 424
Actipron 790
Adaptation 54
Addition series 268
Additive design 670
Additive series 276
Additives 790
Adjuvant 380
Adsorption 254
AEGCY 562
Agral 790
Agropyron intermedium 375
Agropyron repens 107, 400, 790
Agropyron repens (L.) Beauv. 680
Agrostis stolonifera 54
AGRRE 107, 400, 680, 790
AGRST 54
Alachlor 385, 392, 748
Alfalfa 665
Allelopathy 302, 665
AMAAL 570
AMACH 345
AMAPA 326
Amaranthus hybridus 345
Amaranthus palmeri 326
Amaranthus retroflexus 84, 93, 123, 228, 392
AMARE 84, 93, 123, 228, 392, 639, 797
AMSIN 771, 778
Amsinckia intermedia 771, 778
Andropogon gerardii 375
Anesthetics 93
Anguina amsinckiae 771, 778
Anion adsorption 428
Anoxia 29
Antagonism 223, 380, 400, 645
Anthocyanin 491
Anthracnose 484
Antidote(s) 34, 296
ANVCR 658
Application site 585
Application timing 345
Aquatic weed 552
Aquatic weed biology 250
Arachis hypogaea 175, 196, 207, 385
Arctotheca calendula 60
Area of influence 76, 207, 670
Area of interference 753
Artemisia tridentata 47, 319
ARTTR 47, 201, 319
Aryloxyphenoxypropionate 512
Atrazine 1, 405, 810
Author Index to Volume 37 *Weed Science* 842
AVEFA 98, 228, 521, 538, 575
Avena fatua 98, 228
Avena sativa 380, 419, 810
Axillary bud dormancy 680

B

Bacteria 434
Bacteria stimulation 424
Barban 350
BAS 9052 600
Benefin 385
Bentazon 223
Bioactivity 254, 259
Bioassay(s) 412, 665
Biocontrol 211
Bioherbicide 478, 830
Biological control 484, 771, 778, 802
Biological weed control 478, 830
Biomass 47, 815
Biotype(s) 60, 107, 207
Bipolaris halepense 802
Bipolaris sp. 802
Branching 187
Brassica campestris 412
Brassica napus 412
Bromoxynil 112
Bromus inermis 375
Bromus rigidus 68
Bromus tectorum 319
BRORI 68
BROTE 319, 525
Butylate 424

C

Callus 825
Campsis radicans 360
Canopy architecture 84, 187
Capsicum annum 285
Carrier volume 790
Carryover 259
CASOB 175, 385, 639, 670, 748, 761
Cassia obtusifolia 175, 385
CCHPA 63
Cell membrane permeability 98
Cenchrus longispinus 63
CGA 92194 ..... 34, 296
CHEAL 1, 239, 392, 570
Chemigation 585
Chenopodium album 1, 392
Chlorimuron 29, 147, 175, 223, 365, 428, 761
Chlorophyll 491
Chlorophyll synthesis 152
Chloroplast resistance 1
Clethodim 223
Clomazone 217, 233, 259, 285, 365, 440
Clopyralid 19
CMIRA 360
CO_2 23
$^{14}CO_2$ 815
Colletotrichum coccodes 478, 484
Colletotrichum graminicola 802
Common garden studies 201
Compensation point 562
Competition ..... 84, 129, 196, 276, 308, 326, 339, 451, ... 544, 658, 670, 688, 753, 771, 778
Competitive index 76
Computer model 724
CONAR 12, 314, 830
Conjugation 517
Contamination 616
Convolvulus arvensis 12, 314
Conyza bonaeriensis 1, 5
Cork-silica cell pairs 458
Corn yield 609
Cotton yield 326, 339

Crop growth rate 784
Crop height 688
Crop injury 695
Crop residue 239, 719
Crop tolerance 616
Cropping systems 233
Cross-adaptation 424
Cross resistance 5
Crown buds 107
Cultivars 228
Cumulative Weibull function 724
Curved linear lens 797
Cyanazine 405
Cyclohexanedione 512
Cynodon dactylon 54
Cyperus esculentus 147
Cyperus rotundus 147
CYPES 147
CYPRO 147

D

1-decyl ester 19
2,4-D 12, 112, 380, 761
2,4-D 223, 385, 748, 761
Data analysis 276
DATST 187, 217, 233, 308, 345, 353
Datura stramonium 187, 217, 308, 345, 353
Day length 552
Deamination 517
DEDTO 175, 385, 544, 639
Degradation 345
Degradation kinetics 604
Degradation model 604
Density 196, 538
Depth 68
Desmodium tortuosum 175, 207, 385
Development 207
Dicamba 112
Dichlormid 39
Diclofop 350, 380
Difenzoquat 98
Diffusion 719
Diffusive resistance 562
Digitaria sanguinalis 73, 375
DIGSA 73, 365, 375, 585
Dimethazone 285
Dinoseb 385
Diodia teres 129, 451
DIQTE 129, 451
Diquat 60
Directions for Contributors 142
Dissipation 259
Distribution 471
Diuron 350, 810
Dormancy 54, 68, 93
Double cropping 233
DPX-A7881 412
Droplet composition 585
Droplet studies 790
Drought 314, 525
Drought stress 76
Dry matter 531, 557
Duration 68

E

2-ethylhexyl ester 19
Early preplant 392
ECHCG 73, 223, 375, 557, 695
Echinochloa crus-galli 73, 223, 335, 375
Economic analysis 385
Economic threshold 76
Economics 228
Efficacy 217, 233
Electrolyte leakage 98
Electron microscopy 98
Elutriation 836
Emergence 63, 531
Enhanced 434
Enhanced biodegradation 424
Environment 181
Enzymatic protection 5
Enzyme 743
EPHES 167, 181
Epicuticular wax 161
(+)-epiepoformin 123
EPTC 424, 434
ERBVI 405
Eremochloa ophiuroides 42
ERIBO 1
ERLOP 42
Erratum 145, 629, 840
Establishment 54
Ethyl-metribuzin 419
Euphorbia esula 167, 181
Excised roots 29
Experimental designs 276
Exserohilum turcicum 802

F

Fatty acid biosynthesis 512
Fenoxaprop 223, 375
Fertilizer additive 181
FESAR 512
FESRU 512
Festuca arundinacea 375
Fiber quality 688
Flowering 54
Flowers 531, 557
Fluazifop 339, 575
Fluazifop-P 223, 385
Fluorescence induction 1
Flurazole 34, 296
Fluridone 250
FMC 57020 ..... 285, 622
Fomesafen 223
Forage yield 112
Formulation(s) 19, 239, 700
Free acid 19
Fungi 434

G

Gas chromatography 161
Germination 54, 63, 93, 201, 319, 525
Germination stimulants 93
Gibberellic acid 766
Gini coefficient 276
Gloeocercospora sorghi 802
Glycine max 76, 84, 129, 175, 187, 217, 233, 308, 353, 365, 392, 451, 670, 753, 810
Glyphosate 12, 314, 360, 761
Gossypium hirsutum 326, 674
Grasses, annual 73
Growth 23, 129, 207, 314, 326
Growth analysis 658, 784
Growth regulator 484

H

3-hydroxybenzyl alcohol 123
Half-life 639

Haloxyfop 107, 223, 375, 575
Hand hoed 748
Helianthus annuus 380
HENAM 665
Herbicide 123, 645, 706
Herbicide absorption 400, 440, 585, 820
Herbicide action 743
Herbicide adsorption 712, 821
Herbicide antagonism 491
Herbicide binding 440, 712
Herbicide, bipyridyl 60
Herbicide carryover 392
Herbicide combinations 223, 405
Herbicide degradation 604, 609
Herbicide dissipation 233
Herbicide efflux 29
Herbicide exudation 167
Herbicide leaching 419
Herbicide metabolism 296
Herbicide metabolite 825
Herbicide mixtures 380
Herbicide residue 117
Herbicide resistance 60
Herbicide retention 585, 719
Herbicide sensitivity 622
Herbicide synergism 491, 498
Herbicide tolerance 622, 825
Herbicide uptake 161
Herbicide washoff 239
Herbicides, carbamothioate 424, 434
Herbicides, diphenyl ether 743
Herbicides, heteropentalene 5
Herbicides, *p*-nitro-diphenyl ether 152
Herbicides, postemergence 365
High temperature 335
Hill reaction 1
HOFDE 688
Hoffmanseggia densiflora 688
Hybrids 622
Hydrophobic bonding 440
Hydroxyphenols 491
HYLLI 552

I

Imazaquin 34, 223, 233, 254, 259, 290, 353, 365, 392, 761
Imazaquin bioassay 820
Imazaquin dissipation 820
Imazethapyr 233, 259, 296, 353
Imidazolinone 290
Imidazolinone hebicides 712
Inbreds 622
Interaction 645
Interference 73, 84, 187, 196, 308, 521, 538, 771, 778
Internodes 575
Inverse linear model 276
Ion activity 254
Ion trap theory 29
IPOHE 233, 353, 517
IPOLA 365, 385, 674
Ipomoea hederaceae 353
Ipomoea lacunosa 385
Irradiance 562
Italian ryegrass 665

K

KCHSC 397

L

Lactofen 223
LANCA 302
Lantana camara 302
Leaching 428
Leaf abscission 187
Leaf area 187
Leaf area index 84
Leaf distribution 187
Leaf expansion 23
Leaf production 23
Leaf stage 107
Leaf temperature 562
Leaf water potential 544
LEMMI 302
Lemna minor 302
Lens culinaris 412
LESCU 360
Lespedeza cuneata 360
Light 308, 766
Lint yield 688
Lipid peroxidation 152
Lolium multiflorum 268, 350
LOLMU 268, 665, 674
Lonicera japonica Thumb. 360
LONJA 360
Low fluence response 335
Lycopersicon esculentum 285

M

2-methylhydroquinone 123
MCPA 112, 380
Medicago sativa 445
MEDSA 665
Meristematic tissue 503
Metabolic inhibitors 29
Metabolism 42, 175, 285, 290, 517, 631, 639
Metolachlor 345, 392
Metribuzin 112, 345, 350, 392, 419, 517, 748, 810
Metribuzin tolerance 112
Microbial 815
Microbial ecology 211
Microencapsulation 719
Minutes of Board of Directors Meeting 730, 736
Minutes of Executive Committee Meeting 137
Minutes of General Membership Business Meeting 739
Mitosis 503
Mixed inoculation 802
Mobility 428
Mode of action 491
Modeling 471
Moisture deficit 562
Monoethanolamine salt 19
Morfamquat 5
Morphology 54, 552
Multivariate selection analysis 451
Mycoherbicide 802, 830
MYPSP 810

N

Naphthalic anhydride 34, 296
Naptalam 385
Natural senescence 98
Nematodes 771, 778
Net assimilation rate 784
Net returns 385
Niesthrea louisianica 211
Nitrate reductase 491
Nitrate salts 766
Nitrogen fixation 445
No-till 392, 674
No-tillage 217, 609

O

Oil content ... 706
Oilseed rape ... 706
OPULI ... 161
Opuntia lindheimeri ... 161
Osmotic potential ... 766
Over the top ... 600
Oxadiazon ... 152
Oxygen electrode ... 810

P

PANCA ... 93
PANDI ... 365
Panicum capillare ... 93
Panicum taxanum ... 385
Panicum virgatum ... 375
PANTE ... 385
Paraquat ... 5, 60, 385, 392
Partial additive design ... 276
PASNO ... 42
Paspalum notatum ... 42
Pasture interseeding ... 665
Path analysis ... 129
Pebulate ... 424
Pendamethalin ... 228, 405
Perennial weeds ... 314
Persistence ... 217, 233, 254
pH ... 181, 766
Phenolic compounds ... 302
Phenology ... 207, 471, 521
Phenylalanine ammonia-lyase ... 491, 743
Phenylpropanoid metabolism ... 743
Photobleaching ... 152
Photodynamic ... 152
Photoinhibition ... 631
Photosynthesis ... 562, 570
Phytochrome ... 93
Phytochrome response ... 335
Phytotoxicity ... 19, 233, 380
Picloram ... 161, 167, 181
Plant competition ... 268
Plant density ... 268
Plant pathogen ... 484
Poa annua ... 54
POANN ... 54
Poikilotherm ... 471
POLPE ... 392
Polyethylene glycol ... 63
Polygonum persicaria ... 392
Population differentiation ... 54
Population dynamics ... 748
Postdirected ... 600
Postemergence ... 385
Postemergence-directed spray ... 748
Potamogeton pectinatus ... 250
Potassium salt ... 19
Potentilla fruticosa ... 73
PRCJG ... 19
Preemergence ... 147, 365
Production costs ... 228
Prosopis glandulosa ... 19
Protectants ... 34
Protoporphyrin IX ... 152
PUELO ... 23
Pueraria lobata ... 23

Q

Quercus turbinella ... 810
Quercus virginiana ... 373
QUEVI ... 373
Quizalofop ... 102, 111, 273, 545, 621, 713, 800, 223

R

Rainfall simulation ... 117
Range ecology ... 47, 319
Range improvement ... 201
Rapeseed ... 706
Raphanus raphanistrum ... 112
RAPRA ... 112
Rate ... 471
Rate, reduced ... 596
Reciprocal equation ... 276
Replacement series ... 276
Replacement series study ... 544
Report of Necrology Committee ... 742
Residue ... 616
Residue level ... 345
Respiration, dark ... 562, 570
Retention ... 651
Rhizobium ... 445
Rhizome production ... 339
Rhizomes ... 107, 531
Root hair infection ... 445
Rubus sp. ... 360
Runoff ... 117

S

Safeners ... 34, 296
Scopulariopis brumptii ... 123
Sediment ... 117
Seed(s) ... 531, 557
Seed burial ... 68
Seed development ... 525
Seed dispersal ... 319
Seed dormancy ... 63, 335
Seed ecology ... 47, 201, 335
Seed-feeding insect ... 211
Seed germination ... 761
Seed persistence ... 68
Seed position ... 63
Seed production ... 47, 761
Seed size ... 63
Seed viability ... 211
Seed weight ... 706
Seed yield ... 706
Seedborne microorganisms ... 211
Seedling emergence ... 557
Selections ... 207
Selectivity ... 285
Senescence ... 503
Sequential inoculation ... 802
Setaria faberi ... 73, 217, 345, 353, 392
Setaria glauca ... 1
Setaria italica ... 380
Setaria spp. ... 228
Setaria viridis ... 375
SETFA ... 73, 217, 233, 239, 345, 353, 365, 392, 591
Sethoxydim ... 107, 223, 365, 375, 575
SETLU ... 1
SETVI ... 239, 375, 797
Shade ... 308
Shade adaptation ... 570
Shade tolerance ... 187
Sida spinosa ... 175, 484
SIDSP ... 175, 484
Simazine ... 1, 810
Simulation ... 471, 724

SINAL 123
Sinapsis alba 123
SINAR 674
Site potential 47
Skewness 276
Soil(s) 117, 419, 428
Soil applied 147
Soil availability 259
Soil disinfestation 434
Soil-dwelling fungus 123
Soil environment 239
Soil history 434
Soil moisture 688
Soil persistence 259
Soil pH 428
Soil residual properties 412
Soil residues 810
Soil seed bank 836
Soil solution 254
Soil water 76
Solanum nigrum 326
Solanum tuberosum 228
SOLNI 326
SOLPT 570
Sorghum 645
Sorghum bicolor 34, 296, 645
Sorghum halepense 458, 471
SORHA 339, 458, 471, 700, 802
Sorption 428
Soybean 743
Space 308
Spoke wheel design 670
Spray additive 181
Statistical methods 268
Stochastic germination model 724
Stomatal conductance 544
Straw 254
Subject Index to Volume 37 *Weed Science* 844
Sulfometuron 42, 375
Sulfonylurea 42
Surfactant 360
Synecology 47
Synergism 12, 478, 517
Synergist 517
Systematic design 670

T

Tank mix 645, 700
Tebuthiuron 117
Temperature 766, 797
Temperature dependent 471
Temperature response 797
Terbacil 810
Thiameturon 112
Thidiazuron 478, 484
Threshold 196
Tillage 217, 228
Tillage, conservation 392
Tillage, reduced 609
Tillage system(s) 239, 353
Tillers 107, 557
Tissue culture 825
Tolerance 290
Toxicity 147
Toxicodendron radicans 360
TOXRA 360
Translocation 12, 19, 42, 147, 161, 175, 181, 285, 290, 639, 651, 700
Transpiration 562
Triallate 350
Triazine resistance 1
Triazines 591
Trifluralin injury 784
Trifolium incarnatum 674
Trifolium pratense 445
Triticum aestivum 254, 259, 268, 350, 771, 778
TRTPO 695
Tuber size 250
Tuberization 552
Turgor presure 23

U

Ultrastructural effects 98
Ultrastructure 152
Uptake 12, 285, 290, 700

V

Vacuoles 503
Vernalization 54
Vernolate 424, 434
Vicia villosa 674
Vines 23
Volumetric soil water 688

W

Water quality 810
Water stress 63, 525, 658
Watering frequency 314
Wax filaments 458
Weed biology 365
Weed biotypes 129, 451
Weed control 695
Weed control, biological 831
Weed control, rangeland 498
Weed control systems 385
Weed evolution 129, 451
Weed free 748
Weed interference 228, 665
Weed management 228
Weed management systems 748
Weed populations 239
Weed seed 365
Weed seed abundances 836
Weed seed longevity 326
Weed seed production 326, 339
Weed tolerance 517
Wheat injury 112
Wooly cupgrass 405

X

XANST 76, 175, 187, 217, 233, 353, 365, 596, 753
Xanthium strumarium 76, 175, 187, 217, 308, 353

Y

Yield components 688, 778

Z

Zea mays 34, 217, 259, 290, 296, 392, 674